

DETAILED ACTION

Allowable Subject Matter

1. Claims 30-37, 39-53 allowed.
2. Claims 30, 41 and 45 are the independent claims.

Claim 30 states, A method performed by a portable device capable of playing media items, the method comprising: receiving a media item and n-band graphic equalizer setting values only associated with the received media item from a host device, and generating m filters to approximate the n-band graphic equalizer settings, where m is less than n, by: identifying more than m filter patterns, in a composite frequency response shape representing the n-band graphic equalizer setting values, each filter pattern corresponding to a predetermined filter type from a set of filter types; creating a plurality of identified filters by identifying a filter of the predetermined filter type for each of the more than m identified filter patterns, determining parameters for each identified filter such that the plurality of identified filters approximates the composite frequency response shape representing the n-band graphic equalizer setting values; assigning a weighting value to each of the plurality of filters wherein each weighting value is assigned based upon how much of an impact the corresponding filter has on the composite frequency response shape; and limiting the number of the plurality of identified filters by selecting the m filters having the highest weighting values.

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3. The following is a statement of reasons for the indication of allowable subject matter: Applicant's invention is directed towards a generating a composite frequency response from a limited number of filters.
4. Control of a composite frequency response is well known in the art as evidenced by Goff (6317117), Hall et al (2005/0069153), King (7123728)
5. Also matching a composite response to a number of filter patterns is well known in the art as evidenced by King (7123728).

However Examiner could not find prior art that recites or teaches a reason to combine assigning a weighting value to each of the plurality of filters wherein each weighting value is assigned based upon how much of an impact the corresponding filter has on the composite frequency response shape; and limiting the number of the plurality of identified filters by selecting the m filters having the highest weighting values.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FATIMAT O. OLANIRAN whose telephone number is (571)270-3437. The examiner can normally be reached on M-F 10:00-6 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 571-272-7848. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

FO

/Vivian Chin/
Supervisory Patent Examiner, Art Unit 2614